

TWIN COIL CLAW POLE ROTOR WITH STATOR PHASE SHIFTING FOR
ELECTRICAL MACHINE

ABSTRACT

A dynamoelectric machine including a rotor composed of more than two flux carrying segments, each segment having $P/2$ claw poles, where P is an even number; and includes n independent sets of three-phase stator windings inserted in a plurality of slots defining a stator, each set of three-phase windings shifted from each other by $\pi/(3n)$ radians, wherein n is a positive integer greater than 1.